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1	0	liu-qingyan.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/18 14:23
2	0	wang-ruping.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/18 14:21
3	0	bailey-wendy.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/18 14:21
4	0	davidoff-michael.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/18 14:22
5	6499	g same protein same coupled same receptor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/18 14:23
6	1	hg07	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/18 14:23
7	10	liu-qingyun.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/18 14:23

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L6 1 G (S) PROTEIN (S) COUPLED (S) RECEPTOR (S) HG07

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L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 2000:351540 CAPLUS  
DOCUMENT NUMBER: 133:13909  
TITLE: Human G **protein-coupled receptor HG07** and cDNA encoding it, sequences, and uses thereof  
INVENTOR(S): Liu, Qingyun; Wang, Ruiping; Bailey, Wendy J.; Davidoff, Michael  
PATENT ASSIGNEE(S): Merck & Co., Inc., USA  
SOURCE: PCT Int. Appl., 40 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000029423	A1	20000525	WO 1999-US26303	19991108
W: CA, JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 1129103	A1	20010905	EP 1999-964968	19991108
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2003532371	T2	20031105	JP 2000-582410	19991108
PRIORITY APPLN. INFO.:			US 1998-108111P	P 19981112
			WO 1999-US26303	W 19991108
REFERENCE COUNT:	4	THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		
TI	Human G <b>protein-coupled receptor HG07</b> and cDNA encoding it, sequences, and uses thereof			
AB	The invention provides a cDNA mol. encoding a novel human G			

**protein-coupled receptor** (designated **HG07**), related to the leukotriene B4 **receptor**, as well as the **HG07 receptor** encoded by the cDNA. The invention also provides an expression vector contg. the HG07 receptor cDNA mol. and a host cell transformed with said vector. The invention further provides methods for identifying agonists and/or antagonists of HG07 using said expression vectors. Still further, the invention provides antibodies specific for HG07. The cDNA sequence, as well as the corresponding amino acid sequence of human HG07 are provided.

ST cDNA sequence human **G protein coupled receptor HG07**; recombinant prodn human **G protein coupled receptor HG07**; agonist antagonist human **G protein coupled receptor HG07** identification

IT **G protein-coupled receptors**  
RL: BPN (Biosynthetic preparation); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); PREP (Preparation); USES (Uses) (**HG07**; human **G protein-coupled receptor HG07**, its sequence, resemblance to leukotriene B4 **receptor**, recombinant prodn. and use in identifying agonists and/or antagonists)

IT Drugs  
(agonists and/or antagonists; human **G protein-coupled receptor HG07**, its sequence, recombinant prodn. and use in identifying agonists and/or antagonists)

IT Molecular cloning  
(human **G protein-coupled receptor HG07**, its sequence, recombinant prodn. and use in identifying agonists and/or antagonists)

IT Genetic vectors  
(human **G protein-coupled receptor HG07**, its sequence, resemblance to leukotriene B4 **receptor**, recombinant prodn. and use in identifying agonists and/or antagonists)

IT Leukotriene **receptors**  
RL: BSU (Biological study, unclassified); BIOL (Biological study) (leukotriene B4, related to; human **G protein-coupled receptor HG07**, its sequence, resemblance to leukotriene B4 **receptor**, recombinant prodn. and use in identifying agonists and/or antagonists)

IT cDNA sequences  
(of cDNA encoding human **G protein-coupled receptor HG07**, related to leukotriene B4 **receptor**)

IT Protein sequences  
(of human **G protein-coupled receptor HG07**, related to leukotriene B4 **receptor**)

IT Ligands  
RL: BPR (Biological process); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); PROC (Process); USES (Uses)  
(of human **HG07**, used to identify agonists and/or antagonists of **HG07**; human **G protein-coupled receptor HG07**, its sequence, resemblance to leukotriene B4 **receptor**, recombinant prodn. and use in identifying agonists and/or antagonists)

IT Antibodies  
RL: BSU (Biological study, unclassified); BIOL (Biological study) (specific for human **HG07**; human **G protein-coupled receptor HG07**, its sequence, resemblance to leukotriene B4 **receptor**, recombinant prodn. and use in identifying agonists and/or antagonists)

IT Mutation

(substitution, of human **HG07** sequence; human **G protein-coupled receptor HG07**, its sequence, resemblance to leukotriene B4 **receptor**, recombinant prodn. and use in identifying agonists and/or antagonists)

IT 271755-32-9P, **G Protein-coupled receptor HG07** (human)  
RL: BPN (Biosynthetic preparation); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(amino acid sequence; human **G protein-coupled receptor HG07**, its sequence, resemblance to leukotriene B4 **receptor**, recombinant prodn. and use in identifying agonists and/or antagonists)

IT 271755-31-8D, subfragments are claimed  
RL: BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(nucleotide sequence; cDNA encoding human **G protein-coupled receptor HG07**, sequence and use thereof)

IT 271566-73-5, 5: PN: WO0029423 PAGE: 25 unclaimed DNA 271566-74-6, 6: PN: WO0029423 PAGE: 25 unclaimed DNA  
RL: PRP (Properties)  
(unclaimed nucleotide sequence; human **G protein-coupled receptor HG07** and cDNA encoding it, sequences, and uses thereof)

IT 271756-03-7 271756-04-8  
RL: PRP (Properties)  
(unclaimed sequence; human **G protein-coupled receptor HG07** and cDNA encoding it, sequences, and uses thereof)